



# Intertek Testing Services

Caleb Brett

## REPORT OF ANALYSIS

Vessel Penn 120  
Port/Terminal Sprague, Portsmouth, NH  
Client Reference  
Our Reference 2003-0080  
Date Sample Taken 03/02/03  
Date Submitted 03/02/03  
Date Tested 03/02/03  
Sample Designated as No. 6 Fuel Oil  
Drawn By Intertek Testing Services Caleb Brett  
Representing Shore tank 1 after discharge

Lab Reference Number 3080ACT1

Test	Method	Results	Units
Gravity	ASTM D 4052	13.4	API @ 60F
Flash Point	ASTM D 93B	200+ / 93+	F / C
Viscosity @ 122F	ASTM D 445/2161	520.3 / 245	cSt / SFS
Pour Point	ASTM D 97	+48 / +9	F / C
Water by Distillation	ASTM D 958	0.90	% Volume
Sediment by Extraction	ASTM D 473	0.02	
Sulfur	ASTM D 4294-98	2.09	% Weight
Ash	ASTM D 482	0.039	% Weight
Nitrogen, Chemiluminescence	ASTM D 5762	0.39	% Weight
Vanadium, Organic Dilution	ASTM D 5863B	121	mg/kg
Sodium, Organic Dilution	ASTM D 5863B	9	mg/kg
Heat of Combustion	ASTM D 240	18,266	BTU's/pound
Heat of Combustion	Conversion	148,557	BTU's/gallon
Asphaltenes	IP-143	3.87	% Weight
Conradson Carbon Residue	ASTM D 189	14.1	% Weight

ITS/Caleb Brett

WI/020/038

Sprague

Rev. 06012001

THE ATTACHED CERTIFICATE REPRESENTS THE PRODUCT INSPECTED BY THE INSPECTION SERVICE ON THE DATE STATED ON THE CERTIFICATE IN THE TANK STATED BY THE INSPECTION SERVICE. SPRAGUE REPRESENTS THAT ANY PRODUCT IT MAY SELL AT THE RACK MAY DIFFER FROM SUCH INSPECTION CERTIFICATE BUT SUCH PRODUCT SHALL MEET THE SPECIFICATIONS AS MAY BE REQUIRED BY ANY APPLICABLE REGULATIONS WITHIN THE STATE THAT THE PRODUCT IS SOLD.